C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.16.m C6/C8 Access Control Test

C-A-OPM Procedures in which this Attachment is used.		
4.16		

<u>Hand Processed Changes</u>

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Approved: _____ _____
                          Collider-Accelerator Department Chairman   Date

N. Williams

C6/C8 Access Control Test

PERIOD_____ TO_____

Access Controls Group Personnel

PRINT NAME	LIFE NUMBER

PRECAUTIONS

Working Hot Permit   All Radiation Sources LOTO

SUPPORTING DOCUMENTS

LOGIC DIAGRAM TITLE	LOGIC DIAGRAM NUMBER	REVISION
C6/C8 Secondary Beam Logic Diagram	C6C8.LGC (D09-E2052-2)	R 1-23-95

SCHEMATIC TITLE	SCHEMATIC NUMBER	REVISION
C6/C8 Secondary Beam Security Logic Box	C6C8SECU (D09-E1670-5)	O 1-23-95

C6/C8 ACCESS CONTROL TEST

INPUT TESTING

INITIAL, and DATE, 1 through 18 for the correct indication of each input CONDITION by observation of the following relays for BOTH input states:

CONDITION	RELAY	RELAY ENERGIZED (Condition is TRUE) Initial	RELAY DE-ENERGIZED (Condition is NOT TRUE) Initial	DATE
1. SEB/C on Controlled Access	3936 K2, K17			
2. SEB/C Beam Disabled	3936 K3			
3. C3P1 P.S. Off	3936 K5			
4. C6D1 P.S. Off	3936 K6			
5. NMC Rad Mon OK	3936 K9			
6. NMC Rad Mon Lo Intlk. OK	3936 K15			
7. C6/C8 Secondary Gate Reset	3936 K11			
8. C6D2 in C6 Position	3936 K12			
9. C6D2 in C8 Position	3936 K13			
10. C6D1/D2 Current Comp OK	3936 K16			
11. C6 Exp's Gate Reset by Exp'r.	3936 K20			
12. C6 Exp's Gate Reset by H.P.	3936 K21			
13. C8 Exp's Gate Rest by Exp'r.	3936 K22			
14. C6D1 in A Polarity	3936 K26			
15. C6D1 in B Polarity	3936 K27			
16. C6D2 in A Polarity	3936 K28			
17. C6D2 in B Polarity	3936 K29			
18. C8 Chipmunk OK	3936 K25			

OUTPUT TESTING

INITIAL, and DATE, 1 through 3 for the correct indication of each output CONDITION of observation of the following relays for BOTH output states:

CONDITION	RELAY	RELAY ON (Condition is TRUE) Initial	RELAY OFF (Condition is NOT TRUE) Initial	DATE
1. C Primary Intlk. Clear 23 MK9	3936 K4, A6			
2. C6D1 P.S. Intlk. Clear	3936 A11			
3. C3P1 P.S. Intlk. Clear	3936 A7			

LOGIC TESTING

INITIAL, and DATE, 1 through 14. Check by forcing each contact ON and OFF so that the listed relay goes ON and OFF. The Secondary Beam Security schematic indicates which contact controls which relay.

RELAY	CONTACT ON (Relay ON) Initial	CONTACT OFF (Relay OFF) Initial	DATE
1. 3936 K1			
2. 3936 K4, A6			
3. 3936 A11			
4. 3936 K7			
5. 3936 K8			
6. 3936 D13			
7. 3936 A7			
8. 3936 F7			
9. 3936 K24			
10. 3936 K10A, K19			
11. 3936 K10B			
12. 3936 E12			
13. 3936 E15			
14. 3936 F8			